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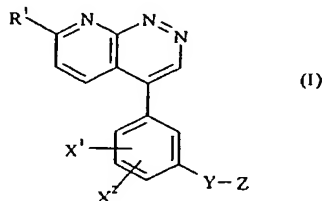
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(54) Title: SUBSTITUTED PYRIDO-PYRIDAZINE DERIVATIVES WHICH ENHANCE COGNITION VIA THE GABA-A RE-  
CEPTOR



(57) Abstract: The present invention discloses a compound of formula I, or a pharmaceutically acceptable salt thereof: wherein X<sup>1</sup> represents hydrogen, halogen, C<sub>1-6</sub> alkyl, trifluoromethyl or C<sub>1-6</sub> alkoxy; X<sup>2</sup> represents hydrogen or halogen; Y represents a chemical bond, an oxygen atom, or a -NH- linkage; Z represents an optionally substituted aryl or heteroaryl group; R<sup>1</sup> represents hydrogen, hydrocarbon, a heterocyclic group, halogen, cyano, trifluoromethyl, nitro, -OR<sup>a</sup>, -SR<sup>a</sup>, -SOR<sup>a</sup>, -SO<sub>2</sub>R<sup>a</sup>, -SO<sub>2</sub>NR<sup>a</sup>R<sup>b</sup>, NR<sup>a</sup>R<sup>b</sup>, -NR<sup>a</sup>COR<sup>b</sup>, -NR<sup>a</sup>CO<sub>2</sub>R<sup>b</sup>, -COR<sup>a</sup>, -CO<sub>2</sub>R<sup>a</sup>, -CONR<sup>a</sup>R<sup>b</sup> or -CR<sup>a</sup>=NOR<sup>b</sup>; and R<sup>a</sup> and R<sup>b</sup> independently represent hydrogen, hydrocarbon or a heterocyclic group; a pharmaceutical composition comprising it; its use in a method of treatment; use of it to manufacture a medicament; and a method of using it to prevent or treat anxiety, convulsions or cognitive disorders.